

MASTER'S DEGREE PROGRAM

Geospatial Technologies

The program prepares professionals to apply data modeling skills and foundational concepts of geographic information, combining expertise in information technologies, new media, and the essential principles of geoinformatics. Students will develop technical and management capabilities that enable them to design, implement, and lead geotechnology-based projects.

Partnership

UJI UNIVERSITAT
JAUME I

ifgi
Institute for Geoinformatics
University of Münster

novaims.unl.pt

NOVA IMS was awarded 5 Stars in all categories by QS Stars - a mark of global excellence



Geospatial Technologies

The Master's in Geospatial Technologies (Erasmus Mundus Program) is a collaboration between:

- Universidade Nova de Lisboa (NOVA), NOVA Information Management School (NOVA IMS), Lisbon, Portugal;
- University of Münster (WWU), Institute for Geoinformatics (IFGI), Münster, Germany;
- Universitat Jaume I (UJI), Castellon, Spain.

The program aims to train highly qualified professionals ready to tackle global challenges in the data-driven spatial society, across fields such as planning, environment, logistics, defense, and marketing. Combining international academic experience with innovative practices from three leading universities, the program offers a multicultural and interdisciplinary education in the most advanced geographic information technologies.

This master's program has been selected by the Erasmus Mundus Program of the European Commission as one of the best master's programs in Europe.

Goals

The course aims to train specialists who are able to:

- Apply data modeling skills;
- Understand the basics of geographic Information;
- Act based on knowledge of information technology, new media and fundamental concepts of geoinformatics;
- Resort to skills in geoinformatics, including basic and advanced modules;
- Manage programs and research methods.

Program Coordinator



Prof. Dr. Marco Painho

Partnership



Program length

Three semesters: 2 for the academic component, and 1 for the development of a scientific dissertation, total of 90 ECTS.

Study plan

The program structure for the path starting at NOVA IMS is:

Semester 1 – NOVA IMS

- Geographic Information Science*;
- Geospatial Data Mining;
- Group Project Seminar on Programming and Analysis*;
- Portuguese;
- Remote Sensing;
- Spatial Data Analysis and Visualization;
- Spatial Statistics.

Semester 2 – University of Münster (WWU)

- Advanced Digital Cartography;
- Applied Geospatial Technologies;
- Core Topics in GI Science*;
- From Data to Knowledge*;
- Geoinformatics Forum*;
- Geoinformatics Forum Discussion Group*;
- Location-Based Services;
- Programming in GI;
- Project Management / Geomundus Conference*;
- Reference Systems for GI;
- Research Methods in GI Science*;
- Spatial Cognition.

Semester 3 – NOVA IMS, WWU or UJI

- Master's Thesis*;
- Thesis follow up*

* Mandatory course unit

Contacts

For more information about this program, please contact our Admissions Office:

admissions@novaims.unl.pt
+351 213 828 610 (Option 2)

Campus de Campolide,
1070-312 Lisboa



For more information or to apply, please visit:
www.novaims.unl.pt/GEOTECH